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(71) Applicant (for all designated States except US): **THE OHIO STATE UNIVERSITY [US/US]**; 1960 Kenny Road, Columbus, OH 43201-1063 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ROBERTS, Cynthia** [US/US]; 4259 Lyon Drive, Columbus, OH 43220 (US). **MAHMOUD, Ashraf** [US/US]; 430 Tackeray Avenue, Worthington, OH 43085 (US). **HERDERICK, Edward, E.** [US/US]; 377 Seven Pines Drive, Pickerington, OH 43147 (US).

(74) Agents: **JIVIDEN, William, A. et al.**; Dinsmore & Shohl, LLP, One South Main Street, Suite 500, One Dayton Centre, Dayton, OH 45402-2023 (US).

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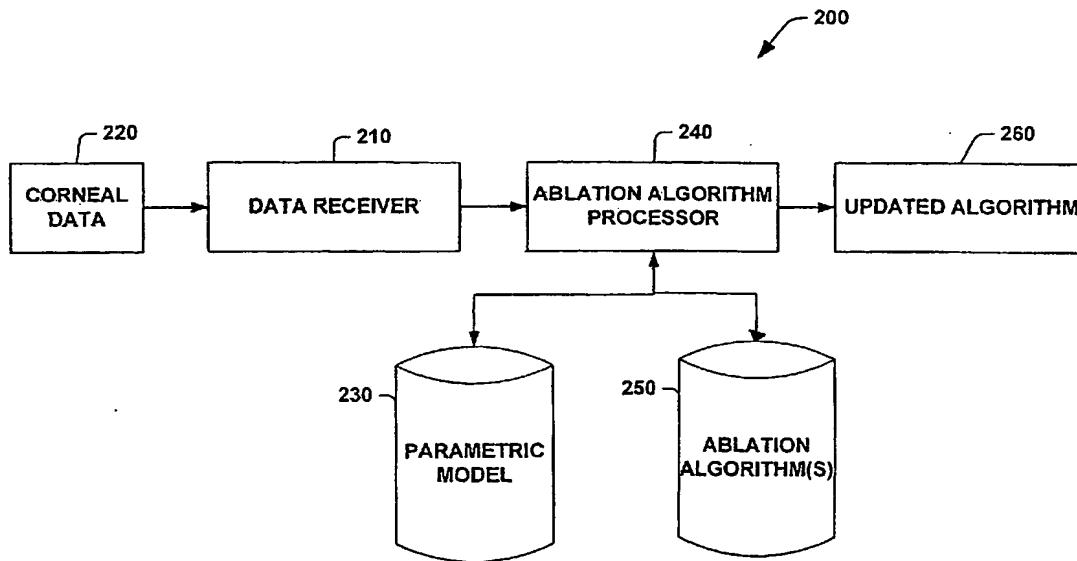
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(57) Abstract: Example systems and methods for performing individually customized corneal ablative surgery is presented. The example systems and methods rely on a parametric model that correlates corneal measurements with predicted post-operative results and algorithm updates that facilitate achieving desired post-operative results.